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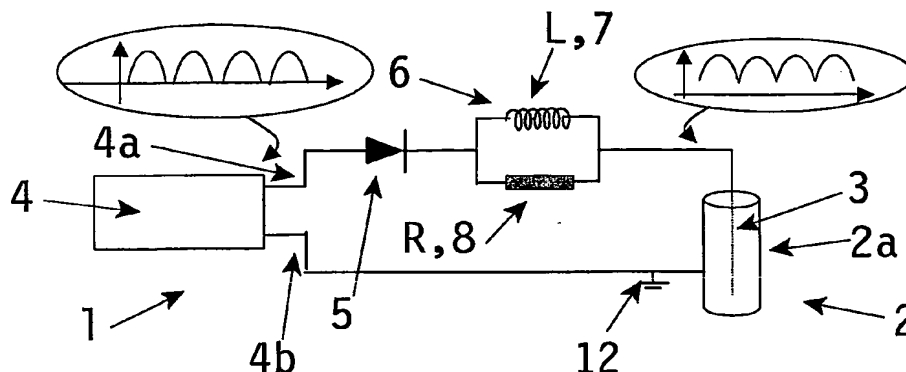
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(54) Title: APPARATUS FOR GENERATING CORONA DISCHARGES



(57) Abstract: The invention relates to an apparatus for generating corona discharges, comprising a corona discharge space (2); a discharge electrode disposed in the corona discharge space; as well as a high voltage source (3, 4), an output of which is connected to the discharge electrode. The object of the present invention is to provide an apparatus for generating corona discharges as referred to in the introduction, which on the one hand is of less complex construction, but which is furthermore functionally built up of components that make it possible to use the apparatus with high pulsed power levels as well, and the apparatus is to that end characterized in that at least one element having diode functionality (5) is connected between the high voltage source and the discharge electrode, which element delivers a DC high voltage component comprising a superposed AC high voltage component on the discharge electrode.



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